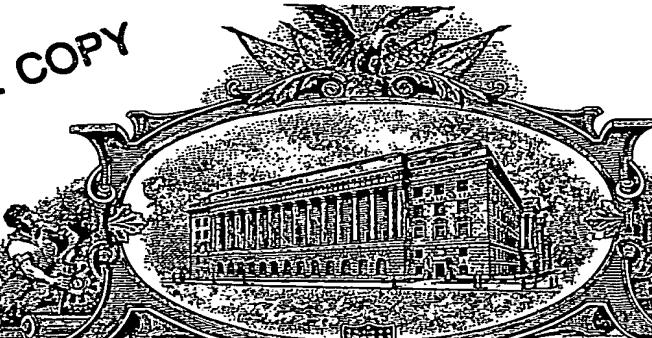


BEST AVAILABLE COPY

PL 1174067



RECEIVED
27 MAY 2004

WIPO PCT

UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

May 25, 2004

THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM
THE RECORDS OF THE UNITED STATES PATENT AND TRADEMARK
OFFICE OF THOSE PAPERS OF THE BELOW IDENTIFIED PATENT
APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A
FILING DATE.

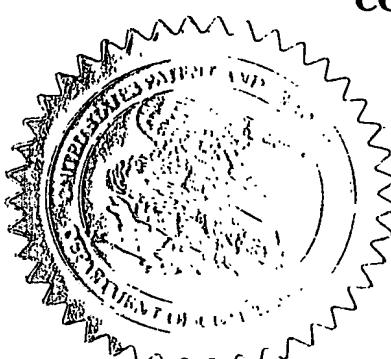
APPLICATION NUMBER: 60/456,727

FILING DATE: March 24, 2003

RELATED PCT APPLICATION NUMBER: PCT/US04/08614

By Authority of the
COMMISSIONER OF PATENTS AND TRADEMARKS

M. SIAS
Certifying Officer



PRIORITY DOCUMENT
SUBMITTED OR TRANSMITTED IN
COMPLIANCE WITH
RULE 17.1(a) OR (b)

DET 13
03/24/03
C
S
OIA

60456727 03/24/03
Approved for use through 10/31/2002. OMB 0551-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
PROSBN-07 (03-02)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PROVISIONAL APPLICATION FOR PATENT COVER SHEET

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c).

Express Mail Label No. _____

60456727
U.S. PRO
JC997
60456727

INVENTOR(S)					
Given Name (first and middle if any)	Family Name or Surname	Residence (City and either State or Foreign Country)			
Curtis Fredrick	Giese	17157 Buttonwood St. Fountain Valley, CA 92708			
<input type="checkbox"/> Additional inventors are being named on the _____ separately numbered sheets attached hereto					
TITLE OF THE INVENTION (500 characters max)					
Device for conveniently towing a trailing bicycle by a leading bicycle.					
Direct all correspondence to:		CORRESPONDENCE ADDRESS			
<input type="checkbox"/> Customer Number _____		→ Place Customer Number Bar Code Label here			
OR Type Customer Number here					
<input checked="" type="checkbox"/> Firm or Individual Name	Curtis Fredrick Giese				
Address	17157 Buttonwood Street				
Address					
City	Fountain Valley	State	CA	ZIP	92708
Country	Orange	Telephone	714-9689777	Fax	7149689777
ENCLOSED APPLICATION PARTS (check all that apply)					
<input checked="" type="checkbox"/> Specification Number of Pages		2	<input type="checkbox"/> CD(s), Number		_____
<input checked="" type="checkbox"/> Drawing(s) Number of Sheets		4	<input type="checkbox"/> Other (specify)		_____
<input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76					
METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT					
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. <input checked="" type="checkbox"/> A check or money order is enclosed to cover the filing fees <input type="checkbox"/> The Commissioner is hereby authorized to charge filing fees or credit any overpayment to Deposit Account Number: _____ <input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.				FILING FEE AMOUNT (\$)	\$150.00
The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.					
<input checked="" type="checkbox"/> No. <input type="checkbox"/> Yes, the name of the U.S. Government agency and the Government contract number are: _____					

Respectfully submitted,

SIGNATURE Curtis Giese

TYPED or PRINTED NAME Curtis F. Giese

TELEPHONE 714-968-9777

Date 3/17/2003

REGISTRATION NO.
(if appropriate)
Docket Number: _____

USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT

This collection of information is required by 37 CFR 1.51. The information is used by the public to file (and by the PTO to process) a provisional application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the complete provisional application to the PTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Box Provisional Application, Assistant Commissioner for Patents, Washington, D.C. 20231.

PROVISIONAL APPLICATION COVER SHEET
Additional Page

PTO/SB/16 (10-01)

Approved for use through 10/31/2002. OMB 0651-0032
 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Docket Number		
INVENTOR(S)/APPLICANT(S)		
Given Name (first and middle if any)	Family or Surname	Residence (City and either State or Foreign Country)
Curtis Fredrick	Giese	17157 Buttonwood Street Fountain Valley, CA 92708

Number 1 of 7

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

SPECIFICATION

The device that is the subject of this application is a device whose purpose is the towing of a trailing bicycle by a leading bicycle. The particular art that this device relates to is that which pertains to the augmentation and/or enhancement of an already existing bicycle.

The device, in its preferred embodiment, is constructed of aluminum parts that have been permanently welded to one another to form the basic body of the structure consisting of an arched arm with an adjustable clamp on one end and a joint/rocker combination and another clamp on the other end. To this body, one then may affix the removable sliding sleeve and its attached U-shaped fork using devices of attachment such as bolts, etc. Many of the parts for the device are readily available, standardized parts. These parts need no further description other than their names. The part that is not standardized is the arched arm that spans the distance between the leading and trailing bicycles. This part is made of aluminum that has been bent into shape using a metalwork method known as rolling. In the embodiment displayed in Figures A-D, the arm is a hollow rectangular prism that has been bent into an arc whose degree may vary per the wishes of the manufacturer. The arm's function does not depend on its being a rectangular prism; it could conversely be cylindrical if the manufacturer desired it so. The other parts; the braces, joint, rocker, fork, slider and pins are all available as standardized parts from any number of manufacturers and are made of aluminum in the preferred embodiment of the device, though they may be made of any number of sturdy materials per the wishes of the manufacturer.

The device's composition is as follows, from right to left as shown in Figure A and using the naming conventions given in the legend on Figure A:

An adjustable brace (2) that connects to the seat post of a leading bicycle. This device can be adjusted and then tightened in place using pins or other implements of affixation to accommodate a multitude of different thickness bars.

A rocker (6) and joint (4) that is welded to the brace (2). The function of the rocker/joint combination is to allow easy movements in two ranges of motion, up/down and left/right.

An arm (1) that is either welded to the joint (4) or affixed using a pin (5).

A slider (7) that fits over the arm (1) in a sleeve-like fashion allowing it to be moved along the length of arm (1) per the desires of the user.

A fork (3) that is affixed to the slider (7) using a pin (5) or other implement of affixation. This fork can alternately attach to the front wheel of the trailing bicycle while it is being towed or to the rear wheel of the leading bicycle if a bike is not being towed.

Another adjustable brace (2) whose function is to attach to the gooseneck/bar below the handlebars of the trailing bicycle in the same way as the rightmost brace attaches to the seat post of the leading bicycle.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) & 1.27(b))—INDEPENDENT INVENTOR**

Docket Number (Optional):

Applicant, Patentee, or Identifier: Curtis Fredrick Giese
new application attached

Application or Patent No.: 100-123456789 New application number

Filed or Issued: 3/17/2003

Title: Device for conveniently towing a trailing bicycle by a leading bicycle.

As a below named Inventor, I hereby state that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees to the Patent and Trademark Office described in:

the specification filed herewith with title as listed above.
 the application identified above.
 the patent identified above.

I have not assigned, granted, conveyed, or licensed, and am under no obligation under contract or law to assign, grant, convey, or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern, or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

No such person, concern, or organization exists.

Each such person, concern, or organization is listed below.

Separate statements are required from each named person, concern, or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

Curtis F. Giese

NAME OF INVENTOR

W. H. Williams

Signature of inventor

NAME OF INVENTOR

Signature of inventor

NAME OF INVENTOR

Signature of Inventor

March 17, 2003

Date _____

Date

Date

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

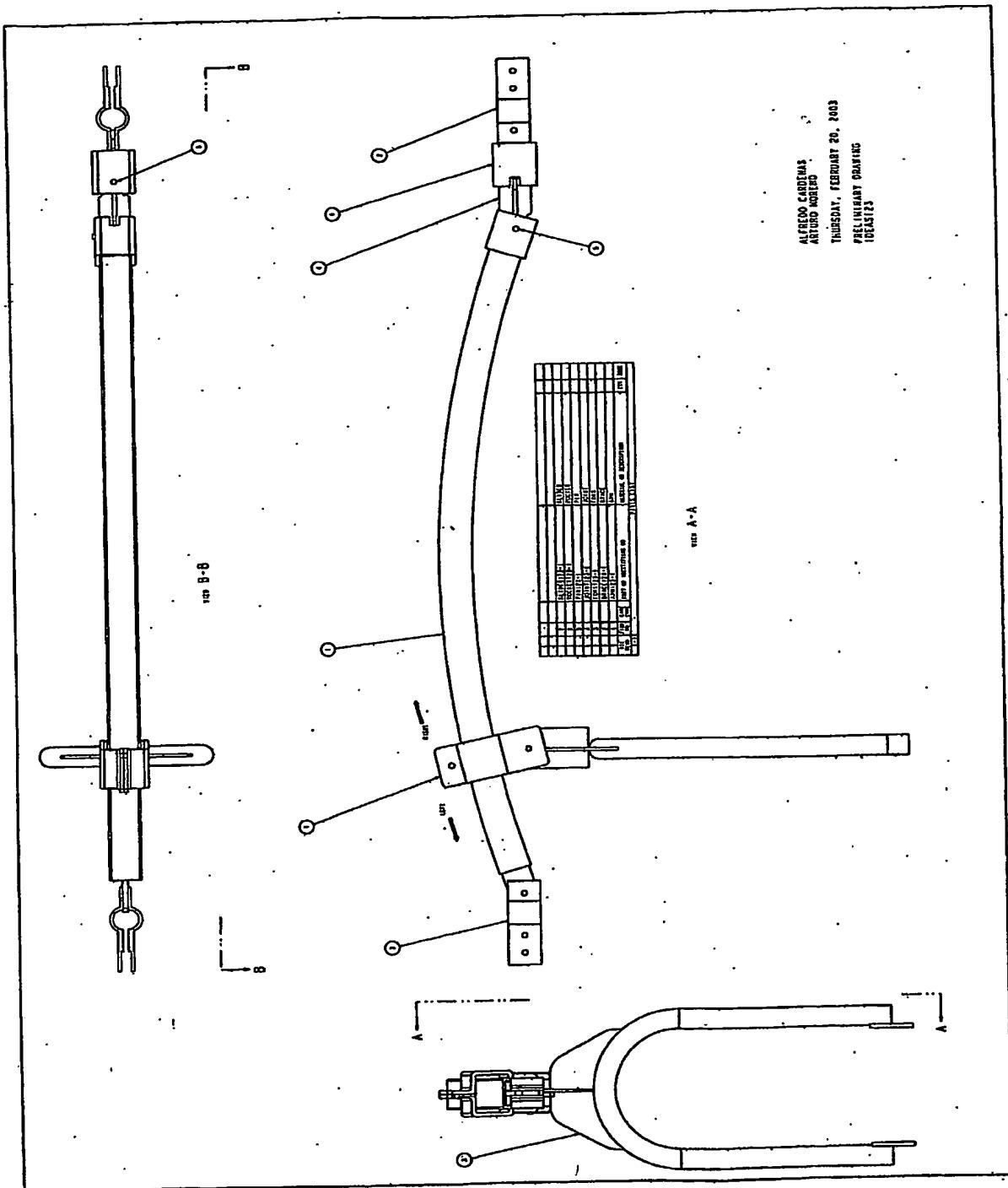
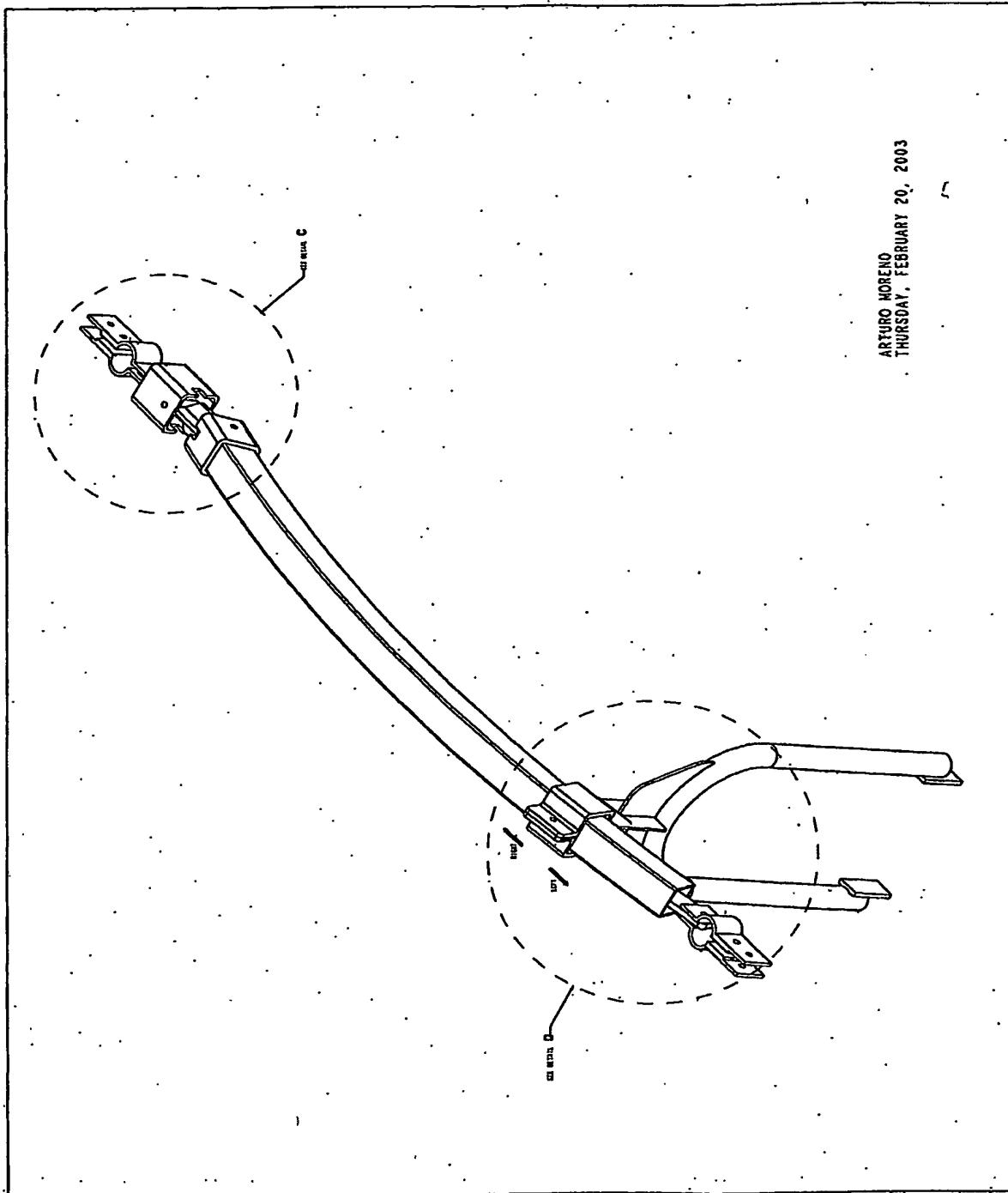


FIGURE A

60456727 DECODE



ARTURO MORENO
THURSDAY, FEBRUARY 20, 2003

FIGURE B

OBJECT: 72695469

ARTURO MORENO
THURSDAY, FEBRUARY 20, 2003

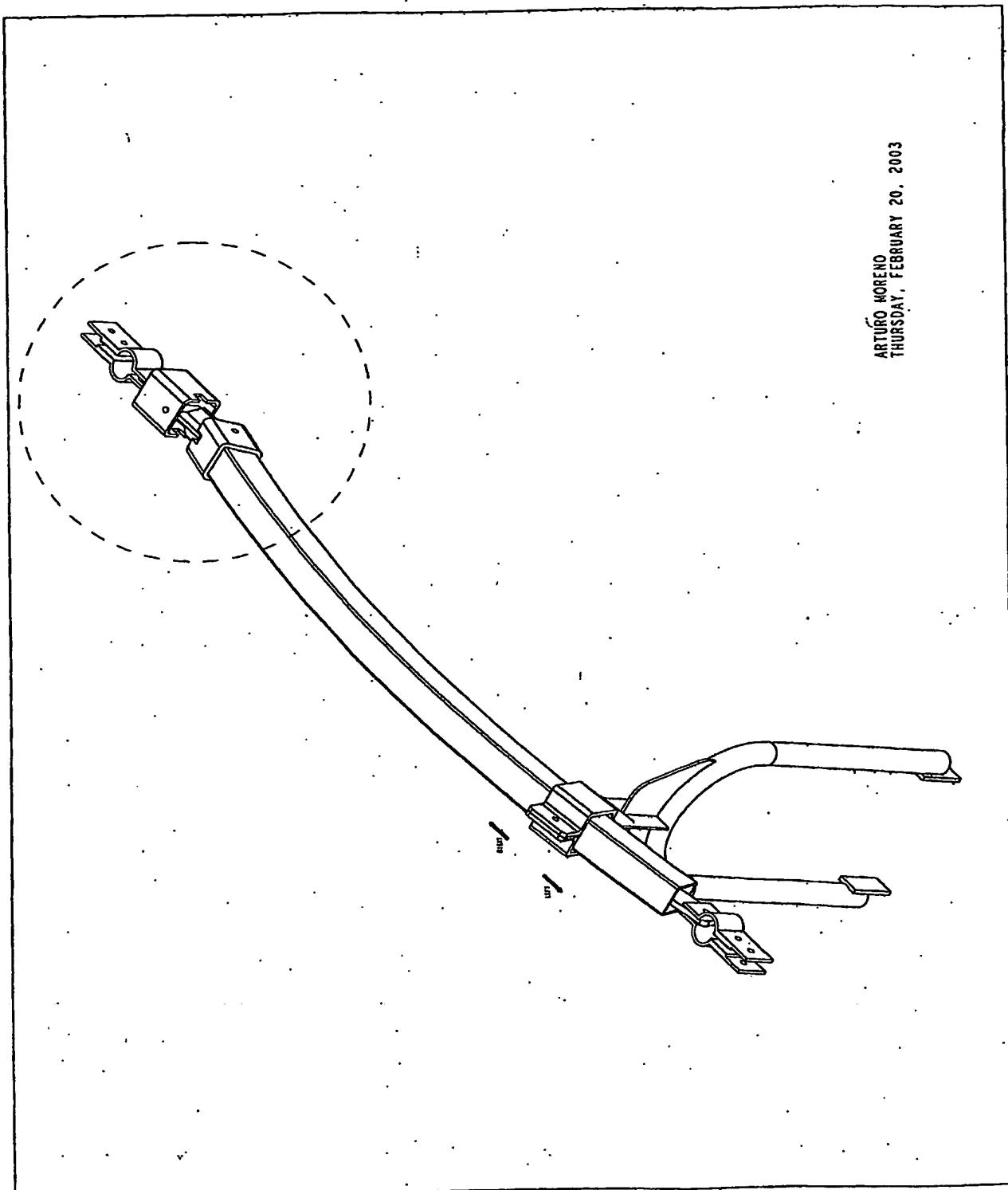


FIGURE C

NAME: E052723 OBJECT: 72695469 DATE: 11-Feb-03 02:08:30

50456727-032409

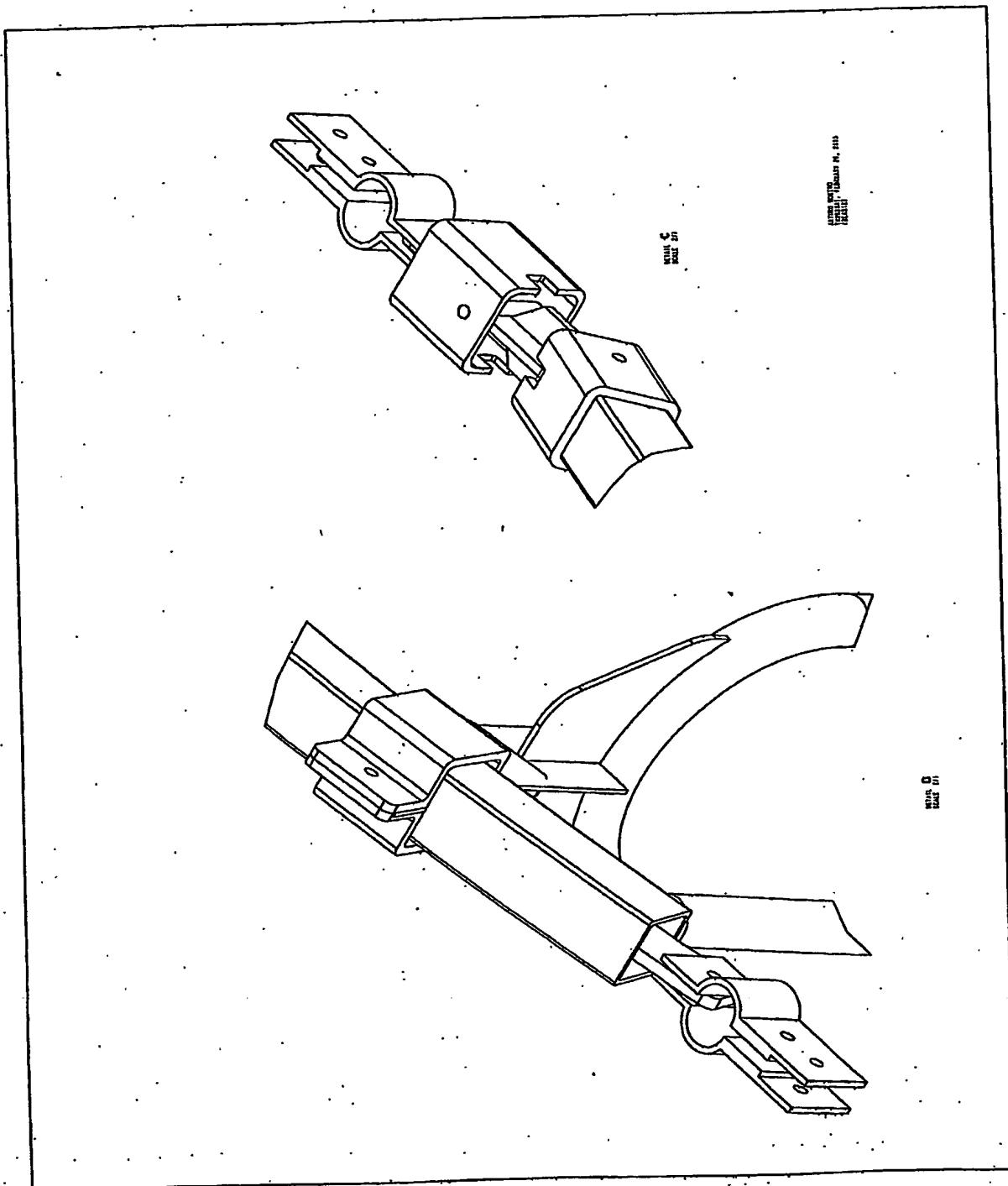


FIGURE D

May 25, 2004

PCT DIVISION
34 CHEMIN DES COLUMBETTES
GENEVA, 1211
GENEVA, 20, SWITZERLAND

This is to inform you that the document requested in your order dated 05-20-2004 is a true reproduction of the official office record copy of that document:

60510756 CERTIFIED PCT APP AS FILED-MAIL 1

- The enclosed office document is a reproduction from the official office record copy and has been recorded using high quality scanning or microfilm equipment. Copies of page/papers that were not scannable have not been included, nor have pages/papers received after the original filing date. Copies of these pages/papers may be ordered separately.
- The enclosed document is a reproduction of the best available source of the official office record copy of that document.

If you have any questions or need additional information, please contact our Customer Service Department.

Mailing Address:

Mail Stop Document Services,
Director of the U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Delivery Address:

U.S. Patent and Trademark Office
Office of Public Records, Customer Service
1213 Jefferson Davis Highway, Suite 300
Arlington VA 22202

Order your copies of USPTO documents on the Web. It's fast, easy, and secure! Go to (<http://ebiz1.uspto.gov/oems25p/index.html>) and order today!

Voice: (703) 308-9726 Fax: (703) 308-7048 E-Mail: <mailto:DSD@USPTO.GOV>

Ref:MS 1174108

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

BLACK BORDERS

IMAGE CUT OFF AT TOP, BOTTOM OR SIDES

FADED TEXT OR DRAWING

BLURRED OR ILLEGIBLE TEXT OR DRAWING

SKEWED/SLANTED IMAGES

COLOR OR BLACK AND WHITE PHOTOGRAPHS

GRAY SCALE DOCUMENTS

LINES OR MARKS ON ORIGINAL DOCUMENT

REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.